



HSGQ-GP100 GPON ONU

General Description

HSGQ-GP100 is a new GPON ONU production of HS Fiber Communication which passive optical network terminal series. It provides one 10/100/1000Mbps base-T interface, one optical interface, and it is very impact. Suitable for home and small business users, can meet the FTTH high-speed data transmission of the application.

Outline



Key Features

- It takes the PTMP (point to multipoint) network topology, effectively collects and converges scattered Ethernet services, and provides the 10/100/1000M Ethernet standard RJ45 interface, smoothly interconnects with existing networks.
- The Dynamic Bandwidth Allocation (DBA) mechanism enables all users to share the 2.5Gbps bandwidth reasonably, guaranteeing a reliable QoS.
- Supports IGMP multicast, effective use of broadband;
- Supports multicast VLAN;
- Supports ITU-T G.984 protocol;
- Supports remote management through OLT and local management as well.
- Supports FEC and DBA;
- Supports IEEE802.1Q VLAN protocol;
- Supports remote loopback and network status diagnosis;
- Supports storm control;



- Support NAT;
- Support PPPOE;
- Support DHCP Server Client;
- Support Route;

Technical Parameter

Module	HSGQ-GP100
User interface	1 10/100/1000M RJ45 port.
PON	Transmission speed :upstream 1.25Gbps /downstream 2.5Gbps Network coverage radius: 20KM Optical receive sensitivity:≥-28dBm Continuous light power: 0.5dBm~+5dBm Security: ONU authentication mechanism
Protocol	Compliant with IEEE 802.3ah YD/T 1475-2006 IEEE 802.1D, Spanning Tree IEEE 802.1Q, VLAN IEEE 802.1w, RSTP IEEE 802.3ad (LACP) Ethernet-II, Ethernet-SNAP
Route	Support NAT Support PPPOE Support Server Client Support Route
VLAN	Port-based VLAN GVRP IEEE 802.1Q VLAN
QOS	Backpressure flow control(half-duplex) IEEE 802.3x flow control(full-duplex) Prevent Head Of Line IEEE 802.1p, CoS WR,SP and FIFO queue scheduling algorithm Port rate limit
Safety	IEEE 802.1x, access control based upon Port; support local and remote RADIUS. CHAP,EAP certification; Storm control, port protection,
Management	Various management modes such as Web, TELNET Debug function.
Size	105mm(L) ×85mm(W) ×25mm(H)
Environment	Operating temperature:0°C~60°C; Operating humidity:10%~85% non-condensing
	Storage temperature:-40°C~80°C; Storage humidity:5%~95% non-condensing
Power supply	110~240VAC 12V/0.5A DC power interface size:2.1mm/5.5mm
Power Consumption	2.5W

Order Information

Module	Description
HSGQ-GP100	GPON ONU, One 10/100/1000M RJ45 port. Color: White